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by monitoring a pressure signal from a pressure sensor. When the intelligent brake controller senses a pressure increase in the towing vehicle master cylinder due to the application of the towing vehicle brakes, the intelligent brake controller sends a signal to the towed vehicle brakes to start applying the towed vehicle brakes. The intelligent brake controller modulates the signal sent to the brakes such that the towed vehicle brakes are applied in direct proportion to the amount of brake application in the towing vehicle. In this way the towed vehicle brakes will be applied in the same manner and at the same time as brakes of the towing vehicle.

In the Claims

Please amend the claims as follows:

B2  
1 Sub 11. (Amended) The brake controller system according to claim 1 further comprising:  
2 C17 an alpha numeric display on a front face of said brake controller unit and in  
3 communication with said CPU for use as a visual indicator to an operator.

B3  
1 C17 13. (Amended) The brake controller system according to claim 1 further comprising:  
2 a manual sliding brake switch on brake controller unit for manually and variably  
3 operating said brakes.